

Claims:

1. Coupling of drill anchors with a sleeve (1) with an inside thread (5) and with two anchor pipes (2) which bear an outside thread (3) and which are screwed into the sleeve (1) from opposing sides, essentially in the lengthwise middle of the sleeve (1) there being an annular rib (4) which projects to the inside, and the front surfaces (6) of the ends (8) of the anchor pipes (2), which ends are held in the sleeve (1), being located in the area of the annular rib (4) and directly adjoining one another, characterized in that the annular rib (4) has a cylindrical inner end surface (10) and that the outside surfaces (12) of the cylindrically (12) shaped, thread-free ends (8) of the anchor pipes (2) adjoin the inner end surface (10) of the annular rib (4), forming a seal.
2. Coupling as claimed in claim 1, wherein the front surfaces (6) of the anchor pipes (2) adjoin one another to form a seal.
3. Coupling as claimed in claim 1 or 2, wherein in the sleeve (1) on either side of the annular rib (4) there are areas (14) which have no inside thread.
4. Coupling as claimed in one of claims 1 to 3, wherein the side surfaces (16) of the annular rib (4) are aligned normally to the axis (7) of the sleeve (1).
5. Coupling as claimed in one of claims 1 to 4, wherein the side surfaces (16) of the annular rib (1) with radii pass into the inside surface of the sleeve (1), especially into segments (14) which are free of threads.
6. Coupling as claimed in one of claims 1 to 5, wherein the front surfaces (6) of the anchor pipes (2) have a chamfer (20, 22) on the inside and/or outside.
7. Coupling as claimed in one of claims 1 to 6, wherein the width (B) of the annular rib

(4) measured in the direction of the axis (7) of the sleeve (1) is essentially the same size as the sum of the lengths (A) of the cylindrically shaped, thread-free ends (8) of the anchor pipes (2), which lengths are measured in the lengthwise direction of the anchor pipes (2).

8. Coupling as claimed in one of claims 1 to 7, wherein there is at least one annular seal (21) on the annular rib (4).

9. Coupling as claimed in claim 8, wherein the annular seal (21) is inserted into an annular groove which is open to the inside in the cylindrical inner end surface (10) of the annular rib (4).

10. Coupling as claimed in claim 8 or 9, wherein the anchor pipes (2) with the chamfers (20) on the outside edge of their front surfaces (6) adjoin the annular seal (21).

11. Coupling as claimed in claim 9, wherein the part of the annular seal (21) which projects over the inner end surface (10) of the annular rib (4) is deformed by the front surfaces (6) of the anchor pipes (2), especially the chamfers (20) of the front surfaces (6).